

### **DETAILED ACTION**

1. This office action is a response to applicant's amendment filed 02/17/2010. In virtue of this amendment, claim 4 is canceled; thus, claims 1-3 and 5-14 are currently in the instant application.

#### ***Information Disclosure Statement***

2. The information disclosure statement(s) (IDS) submitted on 09/14/2009 in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is considered by the examiner.

#### ***Allowable Subject Matter***

3. Claims 1-3 and 5-14 are allowed.

4. The following is an examiner's statement of reasons for allowance:

Prior art fails to disclose a planar antenna with diversity of radiation realised on a substrate comprising a first feed line and a second feed line; wherein the second feed-line placed at an angle 45 degrees from said first feed-line, said second feed line being coupled in a zone of the slot forming a first short-circuit, said antenna further comprising means for selecting for an access either the first feed line, producing in the directions of main radiation a first radiation pattern, or the second feed line, producing in the directions of main radiation a second radiation pattern, said second radiation pattern being complementary of the first radiation pattern, in combination with the remaining limitations as in claim 1 (claims 2-3 and 5-9 are allowed since they are dependent on claim 1).

Prior art fails to disclose a planar antenna with diversity of radiation realised on a substrate comprising a slot of closed shape, a first feed line and a second feed line; wherein each feed-line is coupled magnetically to the slot according to a tangential line-slot transition, in combination with the remaining claimed limitations as in claim 10 (claims 11-14 are allowed since they are dependent on claim 10).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Inquiry***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DIEU HIEN T. DUONG whose telephone number is 571-272-8980. The examiner can normally be reached on Monday - Friday, from 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas W. Owens can be reached on 571-272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2821

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

03/16/10

/D. T. D./

Examiner, Art Unit 2821

/Douglas W Owens/

Supervisory Patent Examiner, Art Unit 2821

March 27, 2010